



# PE3C4007-100CM

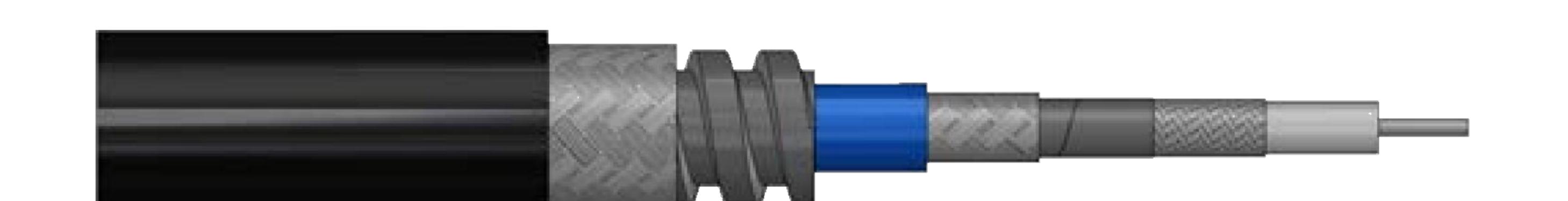
### RF Cable Assemblies Technical Data Sheet

# Configuration

Connector 1: N Male
Connector 2: N Female
Cable Type: ET-FF430

#### Features

- Excellent VSWR and Insertion Loss
- Excellent Amplitude and Phase Stability with Flexure
- Rugged Armor provides crush and torque resistence
- UV resistant jacket
- Each serialized assembly includes test data
- In stock and ready to ship



# Applications

- Field Testing
- Tower Measurements
- Base Station Analyzers
- Handheld Network Analyzers
- Portable Spectrum Analyzers
- Distance-To-Fault Measurements
- Site Maintenance

#### Description

Ebeestock's Handheld RF Analyzer Phase Stable cable assemblies are designed for use with portable and handheld network analyzers, spectrum analyzers and base station analyzers. These rugged portable analyzer cable assemblies offer a unique combination of low loss, phase stability, low VSWR and durability. The tough analyzer cable armor offers crush resistance, torque resistance, water resistance and UV resistance while still maintaining a high level of flexibility. These rugged handheld analyzer cable assemblies are compatible with Fieldfox®, Site Master, CellAdvisor® and Sitehawk® analyzers, supporting site maintenance, field testing, antenna testing and distance-to-fault measurements.

#### **Electrical Specifications**

Minimum	Typical	Maximum	Units
DC		18	GHz
		1.3:1	
		2	Degrees
		0.1	dB
-			DC 18

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Handheld RF Analyzer Rugged Phase Stable Cable N Male to N Female Low PIM Cable 100 cm Length Using ET-FF430 Coax, RoHS ET28644





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#### Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	9	12	18			GHz
Insertion Loss (Max.)	1.73	2.06	2.66			dB
Power Handling (Max.)	150	114	85			Watts

Electrical Specification Notes: Values at 25°C, sea level.

## Mechanical Specifications

#### Cable Assembly

Length\* 39.37 in [100 cm]

Cable

Cable Type
Impedance
Inner Conductor Type
Inner Conductor Material and Plating

ET-FF430
50 Ohms
Solid
Copper, Silver

Dielectric Type

Number of Shields

Number of Shields
Shield Layer 1
Shield Layer 2
Shield Layer 3
Jacket Material

6
Silver Plated Copper Tape
Metalized Polymide
Silver Plated Copper Braid
TPE

One Time Minimum Bend Radius
1.5 in [38.1 mm]
Flat Plate Crush
1,200 lbs/in [21.43 Kg/mm]

#### Connectors

Jacket Diameter

Description	Connector 1	Connector 2  N Female	
Type	N Male		
Impedance	50 Ohms	50 Ohms	
Contact Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold	
Dielectric Type	PTFE	PTFE	
Outer Conductor Material and Plating		Passivated Stainless Steel	
Body Material and Plating	Passivated Stainless Steel	Passivated Stainless Steel	
Coupling Nut Material and Plating	Passivated Stainless Steel		

0.43 in [10.92 mm]

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Mechanical Specification Notes:

\*All cable assemblies have a length tolerance of 1.5% or ± 3/8", whichever is greater. Fieldfox® is a registered trademark of Keysight Technologies CellAdvisor® is registered trademark Viavi Solutions SiteHawk® is a registered trademark of Bird Technologies

## **Environmental Specifications**

Temperature

Operating Range

-55 to +105 deg C

Compliance Certifications (see product page for current document)

## Plotted and Other Data

Notes:

Values at 25°C, sea level.

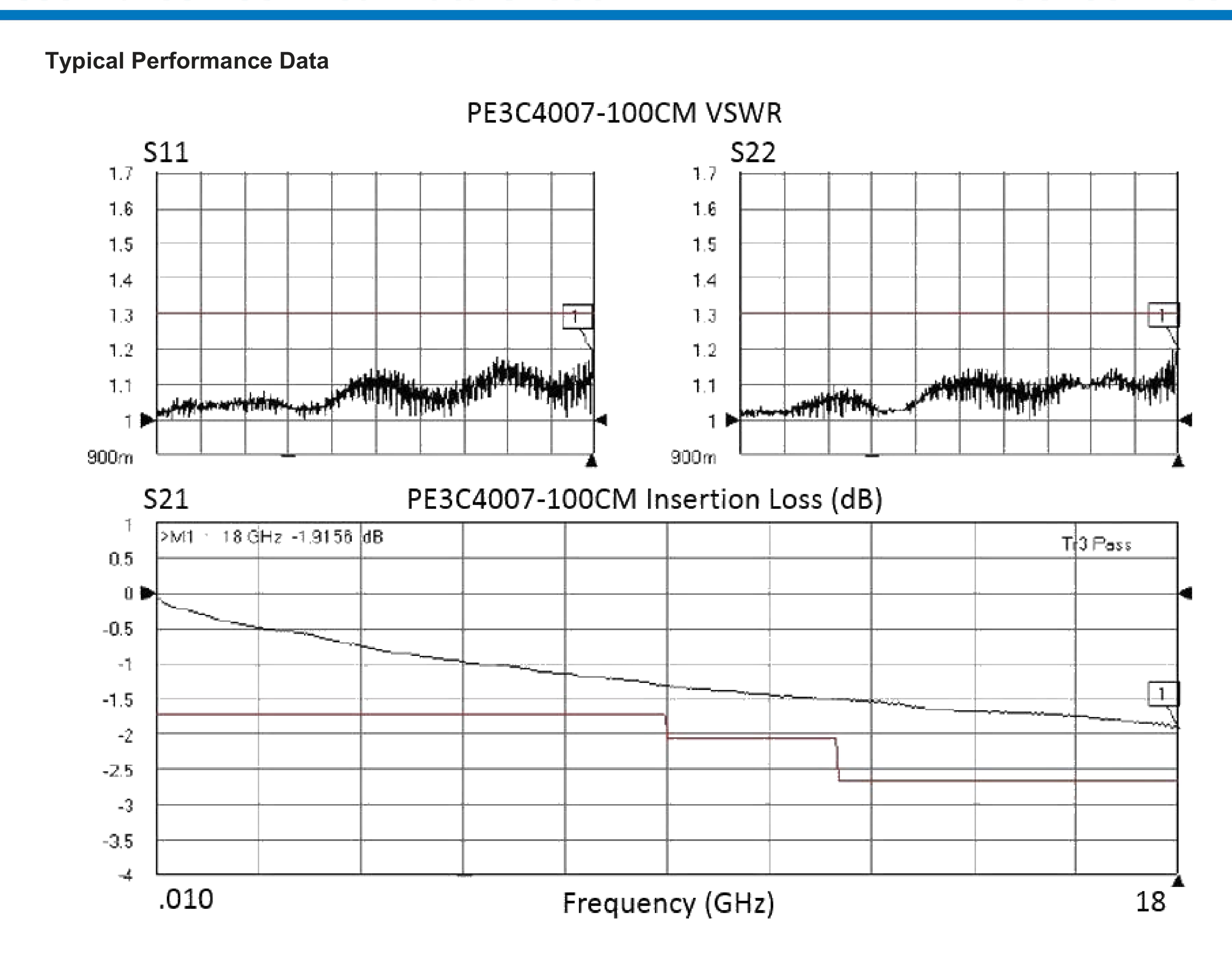
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#### How to Order

Example: ET3C4007-12 = 12 inches long cable

ET28644 = 100 cm long cable

Handheld RF Analyzer Rugged Phase Stable Cable N Male to N Female Low PIM Cable 100 cm Length Using ET-FF430 Coax, RoHS from Ebeestock Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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**URL:** https://www.ebeestock.com/handheld-rf-analyzer-rugged-phase-stable-cable-n-male-to-n-femal e-low-pim-cable-100-cm-length-using-pe-ff430-coax-rohs-0028644

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Ebeestock reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Ebeestock does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Ebeestock does not assume any liability arising out of the use of any part or documentation.

# ET28644 CAD Drawing

Handheld RF Analyzer Rugged Phase Stable Cable N Male to N Female Low PIM Cable 100 cm Length Using ET-FF430 Coax, RoHS

